

# SEQUENCE LISTING

<110> Godfrey, Wayne  
Buck, David  
Engleman, Edgar G.

<120> Receptor on the Surface of Activated T-Cells: ACT-4

<130> 16524.010

<150> US 08/472,940

<151> 1995-06-06

<150> US 08/147,784

<151> 1993-11-03

<160> 2

<210> 1

<211> 1058

<212> DNA

<213> Homo sapiens

<220>

<221> CDS

<223> (15)..(845)

<220>

<223> ACT-4-h-1 cDNA

<400> 1

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|------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| cagcagagac | gagg | atg | tgc | gtg | ggg | gct | cgg | cgg | ctg | ggc | cgc | ggg | ccg | 50  |     |     |
|            |      | Met | Cys | Val | Gly | Ala | Arg | Arg | Leu | Gly | Arg | Gly | Pro |     |     |     |
|            |      | 1   |     |     |     | 5   |     |     |     |     | 10  |     |     |     |     |     |
| tgt        | gcg  | gct | ctg | ctc | ctc | ctg | ggc | ctg | ggg | ctg | agc | acc | gtg | acg | ggg | 98  |
| Cys        | Ala  | Ala | Leu | Leu | Leu | Leu | Gly | Leu | Gly | Leu | Ser | Thr | Val | Thr | Gly |     |
|            |      | 15  |     |     |     |     | 20  |     |     |     |     | 25  |     |     |     |     |
| ctc        | cac  | tgt | gtc | ggg | gac | acc | tac | ccc | agc | aac | gac | cgg | tgc | tgc | cac | 146 |
| Leu        | His  | Cys | Val | Gly | Asp | Thr | Tyr | Pro | Ser | Asn | Asp | Arg | Cys | Cys | His |     |
|            |      | 30  |     |     |     | 35  |     |     |     |     | 40  |     |     |     |     |     |
| gag        | tgc  | agg | cca | ggc | aac | ggg | atg | gtg | agc | cgc | tgc | agc | cgc | tcc | cag | 194 |
| Glu        | Cys  | Arg | Pro | Gly | Asn | Gly | Met | Val | Ser | Arg | Cys | Ser | Arg | Ser | Gln |     |
|            |      | 45  |     |     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |
| aac        | acg  | gtg | tgc | cgt | ccg | tgc | ggg | ccg | ggc | ttc | tac | aac | gac | gtg | gtc | 242 |
| Asn        | Thr  | Val | Cys | Arg | Pro | Cys | Gly | Pro | Gly | Phe | Tyr | Asn | Asp | Val | Val |     |
|            |      |     |     | 65  |     |     |     |     | 70  |     |     |     |     | 75  |     |     |
| agc        | tcc  | aag | ccg | tgc | aag | ccc | tgc | acg | tgg | tgt | aac | ctc | aga | agt | ggg | 290 |
| Ser        | Ser  | Lys | Pro | Cys | Lys | Pro | Cys | Thr | Trp | Cys | Asn | Leu | Arg | Ser | Gly |     |
|            |      |     | 80  |     |     |     |     | 85  |     |     |     |     | 90  |     |     |     |
| agt        | gag  | cgg | aag | cag | ctg | tgc | acg | gcc | aca | cag | gac | aca | gtc | tgc | cgc | 338 |

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|            |            |            |             |            |            |     |     |     |      |         |            |     |     |     |     |      |  |
|------------|------------|------------|-------------|------------|------------|-----|-----|-----|------|---------|------------|-----|-----|-----|-----|------|--|
| Ser        | Glu        | Arg        | Lys         | Gln        | Leu        | Cys | Thr | Ala | Thr  | Gln     | Asp        | Thr | Val | Cys | Arg |      |  |
|            | 95         |            |             |            |            |     | 100 |     |      |         |            | 105 |     |     |     |      |  |
| tgc        | cgg        | gcg        | ggc         | acc        | cag        | ccc | ctg | gac | agc  | tac     | aag        | cct | gga | gtt | gac | 386  |  |
| Cys        | Arg        | Ala        | Gly         | Thr        | Gln        | Pro | Leu | Asp | Ser  | Tyr     | Lys        | Pro | Gly | Val | Asp |      |  |
|            | 110        |            |             |            |            | 115 |     |     |      |         | 120        |     |     |     |     |      |  |
| tgt        | gcc        | ccc        | tgc         | cct        | cca        | ggg | cac | ttc | ttc  | cca     | ggc        | gac | aac | cag | gcc | 434  |  |
| Cys        | Ala        | Pro        | Cys         | Pro        | Pro        | Gly | His | Phe | Ser  | Pro     | Gly        | Asp | Asn | Gln | Ala |      |  |
|            | 125        |            |             |            | 130        |     |     |     |      | 135     |            |     |     |     | 140 |      |  |
| tgc        | aag        | ccc        | tgg         | acc        | aac        | tgc | acc | ttg | gct  | ggg     | aag        | cac | acc | ctg | cag | 482  |  |
| Cys        | Lys        | Pro        | Trp         | Thr        | Asn        | Cys | Thr | Leu | Ala  | Gly     | Lys        | His | Thr | Leu | Gln |      |  |
|            |            |            |             | 145        |            |     |     |     | 150  |         |            |     |     | 155 |     |      |  |
| ccg        | gcc        | agc        | aat         | agc        | tcg        | gac | gca | atc | tgt  | gag     | gac        | agg | gac | ccc | cca | 530  |  |
| Pro        | Ala        | Ser        | Asn         | Ser        | Ser        | Asp | Ala | Ile | Cys  | Glu     | Asp        | Arg | Asp | Pro | Pro |      |  |
|            |            |            | 160         |            |            |     |     | 165 |      |         |            |     | 170 |     |     |      |  |
| gcc        | acg        | cag        | ccc         | cag        | gag        | acc | cag | ggc | ccc  | ccg     | gcc        | agg | ccc | atc | act | 578  |  |
| Ala        | Thr        | Gln        | Pro         | Gln        | Glu        | Thr | Gln | Gly | Pro  | Pro     | Ala        | Arg | Pro | Ile | Thr |      |  |
|            |            | 175        |             |            |            |     | 180 |     |      |         |            |     | 185 |     |     |      |  |
| gtc        | cag        | ccc        | act         | gaa        | gcc        | tgg | ccc | aga | acc  | tca     | cag        | gga | ccc | tcc | acc | 626  |  |
| Val        | Gln        | Pro        | Thr         | Glu        | Ala        | Trp | Pro | Arg | Thr  | Ser     | Gln        | Gly | Pro | Ser | Thr |      |  |
|            | 190        |            |             |            |            | 195 |     |     |      |         | 200        |     |     |     |     |      |  |
| cgg        | ccc        | gtg        | gag         | gtc        | ccc        | ggg | ggc | cgt | gcg  | gtt     | gcc        | gcc | atc | ctg | ggc | 674  |  |
| Arg        | Pro        | Val        | Glu         | Val        | Pro        | Gly | Gly | Arg | Ala  | Val     | Ala        | Ala | Ile | Leu | Gly |      |  |
|            | 205        |            |             |            | 210        |     |     |     |      | 215     |            |     |     | 220 |     |      |  |
| ctg        | ggc        | ctg        | gtg         | ctg        | ggg        | ctg | ctg | ggc | ccc  | ctg     | gcc        | atc | ctg | ctg | gcc | 722  |  |
| Leu        | Gly        | Leu        | Val         | Leu        | Gly        | Leu | Leu | Gly | Pro  | Leu     | Ala        | Ile | Leu | Leu | Ala |      |  |
|            |            |            |             | 225        |            |     |     |     | 230  |         |            |     |     | 235 |     |      |  |
| ctg        | tac        | ctg        | ctc         | cgg        | agg        | gac | cag | agg | ctg  | ccc     | ccc        | gat | gcc | cac | aag | 770  |  |
| Leu        | Tyr        | Leu        | Leu         | Arg        | Arg        | Asp | Gln | Arg | Leu  | Pro     | Pro        | Asp | Ala | His | Lys |      |  |
|            |            |            | 240         |            |            |     |     | 245 |      |         |            |     | 250 |     |     |      |  |
| ccc        | cct        | ggg        | gga         | ggc        | agt        | ttc | cgg | acc | ccc  | atc     | caa        | gag | gag | cag | gcc | 818  |  |
| Pro        | Pro        | Gly        | Gly         | Gly        | Ser        | Phe | Arg | Thr | Pro  | Ile     | Gln        | Glu | Glu | Gln | Ala |      |  |
|            |            | 255        |             |            |            |     | 260 |     |      |         | 265        |     |     |     |     |      |  |
| gac        | gcc        | cac        | tcc         | acc        | ctg        | gcc | aag | atc | tgac | cttgggc | ccaccaaggt |     |     |     |     | 866  |  |
| Asp        | Ala        | His        | Ser         | Thr        | Leu        | Ala | Lys | Ile |      |         |            |     |     |     |     |      |  |
|            | 270        |            |             |            |            | 275 |     |     |      |         |            |     |     |     |     |      |  |
| ggacgctggg | ccccgccagg | ctggagccc  | gagggctctgc | tgggcgagca | gggcaggtgc |     |     |     |      |         |            |     |     |     |     | 926  |  |
| aggccgcctg | ccccgccacg | ctcctggggc | aactctgcac  | cgttctaggt | gccgatggct |     |     |     |      |         |            |     |     |     |     | 986  |  |
| gcctccggct | ctctgcttac | gtatgccatg | catacctcct  | gccccgcggg | accacaataa |     |     |     |      |         |            |     |     |     |     | 1046 |  |
| aaaccttggc | ag         |            |             |            |            |     |     |     |      |         |            |     |     |     |     | 1058 |  |



Gly Ser Phe Arg Thr Pro Ile Gln Glu Glu Gln Ala Asp Ala His Ser  
260 265 270

Thr Leu Ala Lys Ile  
275

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